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(54) ELECTRIC DOUBLE-LAYER CAPACITOR AND MANUFACTURE THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an electric double-layer capacitor which is superior in safety and can be used as a self-start motor for starting a power supply, a hybrid car power supply, and a backup power supply for a personal computer.

SOLUTION: This electric double-layer capacitor is equipped with a polymeric gel nonaqueous electrolytic layer between polarizable electrodes, where the nonaqueous electrolytic layer is formed of nonaqueous electrolyte and a fibrous sheet which is mainly formed of polymeric fiber or pulps that form polymeric gel with nonaqueous electrolyte. In this case, a fibrous sheet whose polymeric fiber or pulp content is 50 wt.% or above is used.

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